

Docket No.: 50212-546



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of : Customer Number: 20277  
: :  
Kiyotaka MURASHIMA, et al. : Confirmation Number: 7725  
: :  
Serial No.: 10/686,783 : Group Art Unit: 2874  
: :  
Filed: October 17, 2003 : Examiner:  
: :  
For: GRATING DEVICE, METHOD OF FABRICATING THE SAME AND OPTICAL  
COMMUNICATION SYSTEM INCLUDING THE SAME

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Information Disclosure  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

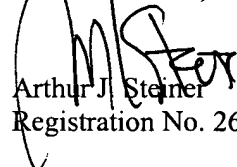
In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

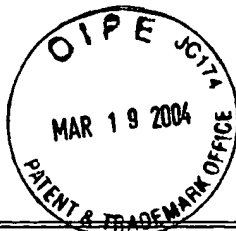
Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

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**Date: March 19, 2004**



SHEET 1 OF 1

INFORMATION DISCLOSURE  
CITATION IN AN  
APPLICATION

(PTO-1449)

ATTY. DOCKET NO.  
**50212-546**SERIAL NO.  
**10/686,783**APPLICANT  
**Kiyotaka MURASHIMA, et al.**FILING DATE  
**October 17, 2003**GROUP  
**2874**

## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US			
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## FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes-Number + -Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation	
						Yes	No

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		K.O. HILL et al., "Bragg gratings fabricated in monomode photosensitive optical fiber by UV exposure through a phase mask", Appl. Phys. Lett., Vol. 62, No. 10, March 8, 1993, pages 1035-1037.
		A. INOUE et al., "Optimization of Fiber Bragg Grating for Dense WDM Transmission System", IEICE TRANS. ELECTRON., Vol. E81-C, No. 8, August 1998, pages 1209-1218.
		L. BASKIN et al., "Side-Diffraction Technique for Highly Accurate Characterization of Fiber Bragg Grating Index Modulation", WEDNESDAY AFTERNOON, OFC 2003. Vol. 1, pages 383-384.
		L.M. BASKIN et al., "Accurate Characterization of Fiber Bragg Grating Index Modulation by Side-Diffraction Technique", IEEE PHOTONICS TECHNOLOGY LETTERS, Vol. 15, No. 3, March 2003, pages 449-451.

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.